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# MONTANA OIL AND GAS STATISTICAL BULLETIN

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**Vol. XXVI, No. 1** 66 **JANUARY, 1977**

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## PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of January, 1977, averaged 88,921 barrels daily, a decrease of 2,069 barrels from the average 90,990 production in December, 1976.

The seven refineries in the state processed 124,453 barrels of crude oil daily for the month of January, a decrease of 17,166 barrels from the 141,619 barrels processed daily during the month of December, 1976.

During January, 79 wells were completed, 10 oil, 36 gas, and 33 dry holes.

During January, the Board issued 55 permits to drill new wells, a decrease of 22 from the 77 permits issued during December, 1976.

## SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC. IN MONTANA

### MONTH OF JANUARY, 1977

| | |
|---|---|
| IN STORAGE JANUARY 1st | |
| By Producers | 304,047 |
| By Transporters | 1,335,168 |
| By Refiners | 1,134,168 |
| TOTAL STORAGE | 2,773,383 |
| Produced in Montana During Month | 2,756,539 |
| Imported During Month | 3,121,252 |
| TOTAL | 8,651,174 |
| DISPOSITION: | |
| Refined in Montana | 3,858,034 |
| Exported | 2,152,647 |
| Used for Fuel or Lost | 8,254 |
| TOTAL | 6,018,935 |
| IN STORAGE JANUARY 31st | |
| By Producers | 335,623 |
| By Transporters | 1,286,043 |
| By Refiners | 1,010,573 |
| TOTAL STORAGE | 2,632,239 |

## NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA

### Month of January, 1977

| Field | M.C Ft. |
|---|---|
| NATURAL: | |
| Alma | 17,454 |
| Bear's Den | —0— |
| Big Coulee | 208,564 |
| Black Coulee | 5,577 |
| Blackjack | 27,273 |
| Big Rock | 83,098 |
| Bowdoin | 555,793 |
| Bowes | 92,633 |
| Brown's Coulee | 4,388 |
| Bullwacker Area | 189,659 |
| Canadian Coulee | 111,947 |
| Cedar Creek | 181,799 |
| Chip Creek | 2,540 |
| Coal Coulee | 5,364 |
| Conrad-Butte | 17,386 |
| Cut Bank (including Reagan) | 497,403 |
| Dry Creek | 61,922 |
| Ethridge | 4,438 |
| Flat Coulee | 19,943 |
| Fresno | 9,795 |
| Gold Butte | 2,911 |
| Grandview | —0— |
| Hardin | 1,916 |
| Keith Block | 96,050 |
| Kevin Sunburst | 46,615 |
| Kevin Sunburst Nisku | 11,062 |
| Kicking Horse | 34,912 |
| Kinyon Coulee Area | 11,610 |
| Lake Basin | 45,070 |
| Liscom Creek | 21,545 |
| Middle Butte | 1,613 |
| Middle Dry Creek | 2,845 |
| Mt. Lilly | 27,180 |
| North Clark Fork | 722 |
| Plevna | 3,677 |
| Pumpkin Creek | 42,012 |
| Rapelje | 24,350 |
| Sawtooth Mountain | 223,028 |
| Sherard | 83,989 |
| Strawberry Creek Area | 9,635 |
| Snoose Coulee | 24,982 |
| South Devon | 17,438 |
| Swanson Creek | 5,912 |
| Tiger Ridge | 1,298,706 |
| Trail Creek | 8,409 |
| Utopia | 51,817 |
| West Butte | 85,131 |
| Whitlash | 137,600 |
| ASSOCIATED: | |
| Bell Creek | 48,795 |
| Cabin Creek | 30,312 |
| Elk Basin | 51,396 |
| Fairview | 40,159 |
| Four Mile Creek | 1,575 |
| Keg Coulee | 290 |
| Middle Sioux Pass | 9,892 |
| Otis Creek | 4,526 |
| Pine | 45,750 |
| Sioux Pass | 16,216 |
| Sioux Pass North | 16,301 |
| South Clark Fork | 4,748 |
| Sumatra | 1,626 |
| Rattlesnake Coulee | —0— |
| Richland | 40,372 |
| Tule Creek | 3,319 |
| Wildcat, Richland County | 1,036 |
| TOTAL | 4,734,026 |

Total withdrawals for January, 1976 were 4,182,428 MCF.

# PRODUCERS' REPORT — MONTH OF JANUARY, 1977

| Leases | Field | No. of Wells | Storage First of Month | Oil Produced | Oil Shipped By | | Used or Lost | Storage End of Month |
|---|---|---|---|---|---|---|---|---|
| | | | | | Pipeline | Truck | | |
| 3 | Arch Apex | 4 | 925 | 1,022 | 843 | | | 1,104 |
| 2 | Ash Creek | 3 | 556 | 750 | | 904 | | 402 |
| 1 | Bainville | 1 | 1,588 | 1,352 | | 934 | | 2,006 |
| 2 | Bannatyne | 2 | 607 | 431 | 431 | | | 607 |
| 5 | Bear's Den | 7 | 1,188 | 976 | | 1,009 | | 1,155 |
| 16 | Bell Creek | 194 | 16,840 | 822,272 | 819,941 | | 2,581 | 16,590 |
| 1 | Benrud | 2 | 522 | 300 | | 300 | | 522 |
| 3 | Benrud East | 3 | 1,443 | 11,566 | | 11,509 | | 1,500 |
| 1 | Benrud Northeast | 1 | 1,205 | 1,202 | | 1,516 | | 891 |
| 1 | Berthelote | 1 | 227 | 50 | | | | 277 |
| 1 | Big Bend | 1 | 1,567 | 4,463 | | 4,266 | | 1,764 |
| 2 | Big Gully | 2 | 927 | 1,964 | | 1,745 | | 1,146 |
| 4 | Big Muddy Creek | 4 | 2,694 | 20,413 | | 19,576 | | 3,531 |
| 5 | Big Wall | 14 | 506 | 5,469 | 3,935 | | | 2,040 |
| 1 | Blackfoot | 7 | 89 | 1,741 | 1,738 | | | 92 |
| 3 | Border | 8 | 1,094 | 793 | | 632 | | 1,255 |
| | Boulder | | 417 | | | | | 417 |
| 1 | Bowes | 56 | 4,561 | 10,168 | | 10,133 | | 4,596 |
| 1 | Bradley | 1 | 143 | 621 | 405 | | | 359 |
| 1 | Breed Creek | 2 | 2,326 | 8,518 | | 9,372 | | 1,472 |
| 5 | Brorson-Madison | 5 | 2,561 | 2,433 | | 1,865 | | 3,129 |
| 4 | Brorson-Red River | 4 | 5,101 | 6,076 | | 5,882 | | 5,295 |
| 3 | Brorson-Red River South | 3 | 1,678 | 5,568 | | 4,462 | | 2,784 |
| 5 | Brush Lake | 5 | 1,729 | 11,025 | 11,321 | | | 1,433 |
| 1 | Burns Creek | 1 | 481 | 709 | | 427 | | 763 |
| 2 | Cabin Creek | 84 | | 149,701 | 149,701 | | | |
| 1 | Canal | 1 | 500 | 1,448 | | 1,714 | | 234 |
| 10 | Cat Creek | 31 | 2,476 | 8,876 | 8,707 | | | 2,645 |
| 1 | Charlie Creek | 1 | 436 | 1,695 | | 1,751 | | 380 |
| | Clarks Fork | | 37 | | | | | 37 |
| 1 | Clarks Fork North | 1 | 373 | 25 | | | | 398 |
| 1 | Clarks Fork South | 1 | 1,029 | 483 | | 367 | | 1,145 |
| 2 | Conrad | 2 | | 420 | 420 | | | |
| 2 | Cow Creek | 2 | 324 | 398 | | 481 | | 241 |
| 8 | Cow Creek East | 10 | 2,943 | 23,453 | | 21,752 | | 4,644 |
| 1 | Culbertson | 1 | 216 | 412 | | | | 628 |
| 11 | Cupton | 11 | 3,200 | 7,271 | 7,055 | 464 | | 2,952 |
| 85 | Cut Bank | 843 | 31,271 | 171,221 | 91,594 | 78,481 | 294 | 32,123 |
| 1 | Dean Dome | 1 | 886 | 403 | | | | 1,289 |
| 1 | Deer Creek | 1 | 469 | 812 | 942 | | | 339 |
| 1 | Delphia | 1 | 159 | 348 | | 343 | | 164 |
| | Devits Basin | | 103 | | | | | 103 |
| 4 | Dry Creek | 4 | 441 | 2,289 | 2,292 | | | 438 |
| 1 | Dwyer | 9 | 3,012 | 13,864 | 12,029 | | | 4,847 |
| 3 | Elk Basin | 50 | 581 | 88,426 | 88,433 | | | 574 |
| 3 | Elk Basin Northwest | 5 | 1,669 | 1,601 | 1,516 | | | 1,754 |
| 5 | Fairview | 11 | 7,688 | 26,548 | 27,166 | | | 7,070 |
| 2 | Fertile Prairie | 2 | 859 | 611 | | 555 | | 915 |
| 3 | Flat Coulee | 19 | 2,201 | 10,363 | 10,667 | | | 1,897 |
| 7 | Flat Lake | 48 | 4,284 | 49,644 | 50,555 | | | 3,373 |
| 2 | Flat Lake South | 2 | 805 | 2,081 | 2,219 | | | 667 |
| 1 | Fort Gilbert | 2 | 501 | 2,928 | 3,088 | | | 341 |
| 1 | Four Mile Creek | 1 | 796 | 1,872 | | 2,354 | | 314 |
| 1 | Frannie | 1 | | 744 | | 744 | | |
| 11 | Fred & George Creek | 32 | 3,947 | 38,788 | 38,468 | | | 4,267 |
| | Froid South | | 273 | | | | | 273 |
| 1 | Gage | 1 | 116 | 133 | | | | 249 |
| 3 | Gas City | 16 | 5,530 | 12,001 | 8,519 | 3,157 | | 5,855 |
| 1 | Girard | 1 | 1,261 | 637 | | 809 | | 1,089 |
| 11 | Glendive | 14 | 2,162 | 19,491 | 19,193 | | | 2,460 |
| 13 | Goose Lake | 19 | 3,132 | 17,739 | 16,464 | | | 4,407 |
| 12 | Graben Coulee | 35 | 7,265 | 4,478 | 4,252 | | 119 | 7,372 |
| | Grandview | | 47 | | | | | 47 |
| 5 | Gumbo Ridge | 6 | 765 | 6,772 | | 6,476 | | 1,061 |
| 4 | Gypsy Basin | 5 | 1,062 | 683 | | 638 | 78 | 1,029 |
| 1 | Hay Creek-Mission | 1 | 196 | 1,003 | 969 | | | 230 |
| 1 | Hay Creek-Red River | 1 | 315 | 1,701 | 1,626 | | | 390 |
| 4 | Hiawatha | 4 | 1,511 | 4,775 | 3,120 | | 17 | 3,149 |
| 1 | Hibbard | 1 | 540 | 391 | | 420 | | 511 |
| | Highview | | 25 | | | | | 25 |
| 1 | Horse Creek | 1 | 885 | 149 | | 199 | | 835 |
| 2 | Howard Coulee | 2 | 452 | 510 | 643 | | | 319 |
| 5 | Ivanhoe | 9 | 1,218 | 2,110 | 1,868 | | | 1,460 |
| 2 | Jim Coulee | 17 | 2,967 | 31,593 | 31,232 | | | 3,328 |
| 5 | Keg Coulee | 18 | 3,396 | 9,841 | 9,305 | | | 3,932 |
| 3 | Keg Coulee North | 3 | 687 | 1,220 | 882 | | | 1,025 |
| 1 | Kelley | 3 | 387 | 1,686 | 1,414 | | | 659 |
| 82 | Kevin Sunburst | 444 | 11,037 | 24,393 | 1,533 | 22,168 | (1) | 11,730 |
| 1 | Laird Creek | 10 | 1,120 | 2,025 | 2,080 | | | 1,065 |
| 1 | Landslide Butte | 1 | 589 | 136 | | | | 725 |
| 2 | Leary | 2 | 1,863 | 3,052 | | 3,259 | 25 | 1,631 |
| 2 | Little Beaver | 23 | 175 | 31,214 | 31,229 | | | 160 |
| 2 | Little Beaver East* | 9 | 894 | 11,909 | 10,672 | | | 2,131 |
| 12 | Little Wall Creek | 13 | 3,821 | 17,775 | 18,106 | | | 3,490 |
| 1 | Lodge Grass | 1 | 433 | 491 | | | | 924 |
| 2 | Lone Butte | 2 | 975 | 3,718 | | 2,881 | | 1,812 |
| 6 | Lonetree Creek | 6 | 2,566 | 11,743 | | 10,692 | | 3,617 |
| 1 | Long Creek | 1 | 294 | 482 | | 403 | | 373 |
| 3 | Lookout Butte (Coral Creek) | 31 | 993 | 50,221 | 50,661 | | | 553 |
| 2 | Mason Lake | 2 | 434 | 272 | 360 | | | 346 |
| 2 | Melstone | 2 | 805 | 1,506 | 1,426 | | | 885 |
| 10 | Monarch | 15 | 2,775 | 11,293 | 9,997 | 476 | | 3,595 |
| 3 | Mosser | 10 | | 514 | | 514 | | |
| 1 | Nohly | 2 | 906 | 9,527 | | 9,427 | | 1,006 |
| 1 | North Fork | 1 | 1,387 | 4,493 | | 4,880 | | 1,000 |
| 4 | Otis Creek | 4 | 2,915 | 9,931 | | 10,411 | | 2,435 |
| 6 | Outlook | 7 | 3,944 | 11,962 | 14,053 | | | 1,853 |
| 1 | Outlook South | 1 | 778 | 817 | 868 | | | 727 |
| 1 | Outlook West | 1 | 951 | 411 | | | | 1,362 |
| 1 | Pennel | 114 | 845 | 230,572 | 230,009 | | | 1,408 |
| 3 | Pine | 102 | 12,546 | 188,199 | 187,661 | | | 13,084 |
| 59 | Pondera | 285 | 6,091 | 22,797 | 22,904 | | | 5,984 |
| 6 | Poplar | 60 | 7,815 | 41,323 | 36,837 | | | 12,301 |
| 8 | Poplar Northwest | 11 | 2,250 | 9,415 | 9,011 | | | 2,654 |
| | Prairie Elk | | 896 | | | | | 896 |
| 2 | Prichard Creek | 5 | 1,311 | 621 | 716 | | | 1,216 |
| 1 | Putnam | 2 | 764 | 1,274 | | 1,012 | | 1,026 |
| 4 | Rabbit Hills | 4 | 2,340 | 4,887 | | 4,985 | | 2,242 |
| 8 | Ragged Point | 22 | 4,472 | 8,744 | 9,651 | | | 3,565 |
| 2 | Rattler Butte | 2 | 337 | 1,332 | | 1,034 | | 635 |
| 2 | Rattlesnake Coulee | 2 | 414 | 329 | 415 | | | 328 |
| 2 | Raymond | 4 | 1,536 | 13,746 | 12,127 | | | 3,155 |
| 1 | Raymond Northeast | 1 | 630 | 2,638 | 2,588 | | | 680 |
| 3 | Reagan | 53 | 774 | 10,700 | 10,700 | | | 774 |
| 1 | Red Creek | 19 | | 9,119 | 9,119 | | | |
| 1 | Red Fox | 1 | 455 | 391 | 445 | | | 401 |
| 1 | Redstone | 1 | 381 | 1,152 | 918 | | | 615 |
| 1 | Repeat | 1 | 260 | 840 | | 180 | | 920 |
| 3 | Reserve | 3 | 2,375 | 1,411 | 1,365 | | | 2,421 |
| 2 | Richey | 3 | 635 | 1,076 | | 816 | | 895 |
| 1 | Richey Southwest | 5 | 642 | 1,067 | | 1,317 | | 392 |
| 2 | Rip Rap Coulee | 2 | 1,223 | 2,078 | | 2,172 | | 1,129 |
| 4 | Rosebud | 5 | 949 | 3,701 | 3,474 | | | 1,176 |
| 1 | Rush Mountain | 1 | 396 | 80 | | | | 476 |
| 2 | Salt Lake | 3 | 514 | 1,689 | | 1,898 | | 305 |
| 2 | Sand Creek | 4 | 823 | 2,773 | 2,773 | | | 823 |
| 3 | Second Creek | 3 | 1,173 | 6,890 | | 6,816 | | 1,247 |
| 2 | Sheepherder | 3 | 618 | 400 | 400 | | | 618 |
| 5 | Sioux Pass | 5 | 3,328 | 28,358 | 27,600 | | | 4,086 |
| 2 | Sioux Pass Middle | 2 | 1,191 | 13,194 | 12,666 | | | 1,719 |
| 6 | Sioux Pass North | 6 | 3,766 | 19,910 | 18,980 | | | 4,696 |
| 1 | Snyder | 3 | 517 | 425 | | 209 | | 733 |
| 8 | Soap Creek | 20 | 4,586 | 3,933 | 3,778 | | | 4,741 |
| 1 | Spring Lake | 2 | 227 | 2,230 | | 1,797 | | 660 |
| 5 | Stensvad | 12 | 2,794 | 21,434 | 20,467 | | | 3,761 |
| 22 | Sumatra | 102 | 7,460 | 172,685 | 172,125 | | | 8,020 |
| 4 | Tule Creek | 4 | 2,946 | 10,595 | | 10,888 | | 2,653 |
| 1 | Tule Creek East | 1 | 993 | 655 | | | | 1,648 |
| 2 | Tule Creek South | 3 | 474 | 1,183 | | 870 | | 787 |
| 1 | Vaux | 1 | 1,000 | 1,270 | | 1,327 | | 943 |
| 2 | Vida | 2 | 642 | 259 | | 219 | | 682 |
| 6 | Volt | 6 | 2,192 | 8,846 | | 7,007 | | 4,031 |
| | Wagon Box | | 71 | | | | | 71 |
| 1 | Weed Creek | 1 | 376 | 2,364 | | 2,010 | | 730 |
| 2 | Weldon | 2 | 1,344 | 1,512 | 814 | | | 2,042 |
| 1 | West Butte | 1 | | 714 | 714 | | | |
| 28 | Whitlash | 60 | 10,938 | 11,601 | 11,200 | | | 11,339 |
| | Whitlash West | | 284 | | | | | 284 |
| 2 | Willow Creek North | 2 | 516 | 1,427 | 1,476 | | | 467 |
| 1 | Willow Ridge | 1 | | 215 | 215 | | | |
| 2 | Wills Creek South | 2 | | 1,388 | 1,388 | | | |
| 3 | Winnett Junction | 5 | 505 | 3,979 | | 3,613 | | 871 |
| 2 | Wolf Springs | 2 | 830 | 785 | | 816 | | 799 |
| 2 | Woodrow | 2 | 293 | 1,700 | 1,216 | | | 777 |
| 2 | Wright Creek | 3 | 402 | 1,027 | | | | 1,429 |
| 1 | Wildcat, Carbon County | 1 | | 97 | | 82 | | 15 |
| 1 | Wildcat, Fallon County | 1 | 399 | 600 | | 600 | | 399 |
| | Wildcat, McCone County | | 52 | | | | | 52 |
| 2 | Wildcat, Musselshell County | 2 | 1,123 | 6,073 | | 6,198 | | 998 |
| 4 | Wildcat, Richland County | 4 | 2,511 | 12,209 | | 11,531 | | 3,189 |
| 2 | Wildcat, Roosevelt County | 2 | 1,714 | 5,139 | | 6,287 | | 566 |
| | Wildcat, Sheridan County | | 262 | | | | | 262 |
| 1 | Wildcat, Toole County | 1 | 818 | 83 | | 89 | 39 | 773 |
| 717 | TOTAL | 3,235 | 304,047 | 2,756,539 | 2,387,690 | 334,121 | 3,152 | 335,623 |

| Total Oil Produced and Shipped from Leases | Bbls. Produced | Daily Average | Bbls. Shipped | Daily Average |
|---|---|---|---|---|
| Year, 1976 | 32,840,600 | 89,728 | 32,839,588 | 89,726 |
| January, 1977 | 2,756,539 | 88,921 | 2,721,811 | 87,800 |

| Oil in Storage | In Producers Field Tanks | In Transporters Storage | In Refiners Storage** | Total Oil in Storage** |
|---|---|---|---|---|
| December, 1976 | 304,047 | 1,335,168 | 1,134,168 | 2,773,383 |
| January, 1977 | 335,623 | 1,286,043 | 1,010,573 | 2,632,239 |

*Montana Oil only
**Includes Wyoming Oil.

# TRANSPORTERS' REPORT — MONTH OF JANUARY, 1977

| | Storage First of Month | Oil Received By | | | Loss or Gain | Oil Shipped To | | | Storage End of Month |
|---|---|---|---|---|---|---|---|---|---|
| | | Pipeline | Truck | Connecting Carrier | | Montana | Other States | Connecting Carrier | |
| ASH CREEK—Western Crude Oil Inc | | | 904 | | | | 904 | | |
| BAINVILLE—Koch Oil Company | | | 934 | | | | 934 | | |
| BEAR'S DEN—Truck | | | 1,009 | | | | | 1,009 | |
| BELL CREEK—Western Crude Pipeline | 30,547 | 825,257 | | | | | | 819,941 | 35,863 |
| BIG GULLY—Truck | | | 1,745 | | | | 1,745 | | |
| BIG MUDDY—Truck | | | 19,576 | | | | 19,576 | | |
| BIG WALL—Continental Pipeline Co. | | 3,935 | | | | 3,935 | | | |
| BLACKFOOT—Phillips Petroleum Co | | 1,738 | | | | | | 1,738 | |
| BORDER—Permian Corp | | | 632 | | | | | 632 | |
| BOWES—Koch Oil Co. | | | 10,133 | | | | 10,133 | | |
| BREED CREEK—Truck | | | 9,372 | | | | 9,372 | | |
| BRORSON-MADISON, BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—Koch Oil Co. | | | 12,209 | | | | | 12,209 | |
| BRUSH LAKE—Portal Pipeline Co. | | 11,321 | | | | | | 11,321 | |
| BURNS CREEK—Western Crude Oil, Inc | | | 427 | | | | 427 | | |
| CABIN CREEK & OTHERS[1]<br>Butte Pipeline Co<br>Shell Pipeline Co. | 246,090<br>3,369 | 390,984<br>279,179 | 12,135 | 903,552<br>40,808 | <br>1,344 | 229,555 | 1,105,133 | <br>319,461 | 218,073<br>2,551 |
| | 249,459 | 670,163 | 12,135 | 944,360 | 1,344 | 229,555 | 1,105,133 | 319,461 | 220,624 |
| CANAL—Koch Oil Company | | | 1,714 | | | | 1,714 | | |
| CAT CREEK—Continental Pipeline Co | | 8,707 | | | | 8,707 | | | |
| CHARLIE CREEK—Truck | | | 1,751 | | | 1,751 | | | |
| CLARK'S FORK & CLARK'S FORK SOUTH—Permian Corp | | | 367 | | | | | 367 | |
| COW CREEK & COW CREEK EAST—Western Crude Oil, Inc | | | 22,233 | | | | 15,857 | 6,376 | |
| CUT BANK—<br>Continental Pipeline Co<br>Phillips Petroleum Co.<br>Texas Pipeline Co.<br>Union Oil Co.<br>Western Oil Trans. Co<br>Western Oil Trans. Co (Moulton) | <br>47,240<br>25,648<br>29,383<br><br> | 300,721<br>62,770<br>16,278<br>60,399<br>23,073<br>78,394 | <br>7,611<br>69,264<br><br><br> | <br>84,373<br><br><br><br> | <br><br><br>523<br><br> | <br>169,741<br>97,372<br>46,105<br><br> | <br><br><br><br><br> | 300,721<br><br><br><br>23,073<br>78,394 | <br>32,253<br>13,818<br>43,154<br><br> |
| | 102,271 | 541,635 | 76,875 | 84,373 | 523 | 313,218 | | 402,188 | 89,225 |
| DELPHIA—Truck | | | 343 | | | 343 | | | |
| DWYER—Portal Pipeline Co. | | 12,029 | | | | | 12,029 | | |
| ELK BASIN & ELK BASIN NORTHWEST—Marathon Pipeline Co. | | 89,949 | | | | 89,949 | | | |
| FAIRVIEW—<br>Fairview Pipeline Co<br>Koch Oil Company | <br> | 6,363<br>20,803 | <br> | <br> | <br> | <br> | <br> | 6,363<br>20,803 | <br> |
| | | 27,166 | | | | | | 27,166 | |
| FLAT COULEE—Phillips Petroleum Co | | 10,667 | | | | 10,667 | | | |
| FLAT LAKE & FLAT LAKE SOUTH—Portal Pipeline Co | | 52,774 | | | | | 52,774 | | |
| FT. GILBERT—Fairview Pipeline Co. | | 3,088 | | | | | | 3,088 | |
| FOUR MILE CREEK—Truck | | | 2,354 | | | | 2,354 | | |
| FRANNIE—Interstate Pipeline Co. | | | 744 | | | | 744 | | |
| FRED & GEORGE CREEK—Phillips Petr. Co | 19,100 | 38,468 | | | 936 | 46,148 | | | 10,484 |
| GIRARD—Koch Oil Co | | | 809 | | | | 809 | | |
| GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—Texas Pipeline Co | 5,192 | 19,293 | | | | | | 17,117 | 7,368 |
| GOOSE LAKE—Portal Pipeline Co. | | 16,464 | | | | | 16,464 | | |
| GUMBO RIDGE—Permian Corp | | | 6,476 | | | | | 6,476 | |
| HAY CREEK—Fairview Pipeline Co | | 2,595 | | | | | | 2,595 | |
| HIAWATHA—Continental Pipeline Co | | 3,120 | | | | | 3,120 | | |
| HORSE CREEK | | | 199 | | | 199 | | | |
| IVANHOE—Continental Pipeline Co. | | 1,868 | | | | 1,868 | | | |
| JIM COULEE—Continental Pipeline Co | | 31,232 | | | | 31,232 | | | |
| KEG COULEE & KEG COULEE NORTH—Continental Pipeline Co | | 10,187 | | | | 10,187 | | | |
| KELLEY—Continental Pipeline Co | | 1,414 | | | | 1,414 | | | |
| KEVIN SUNBURST—<br>Big West Oil Co<br>Homestake Oil & Gas Co<br>Texas Pipeline Co.<br>Northern Montana Oil Service | 4,405<br>1,383<br>18,092<br>3,158 | 27,000<br>3,173<br><br> | <br><br><br>21,946 | <br><br><br> | <br><br><br> | 27,000<br>3,156<br>5,676<br>23,581 | <br><br><br> | <br><br><br> | 4,405<br>1,400<br>19,748<br>1,523 |
| | 27,038 | 37,505 | 21,946 | | | 59,413 | | | 27,076 |
| LEARY—Permian Corp | | | 3,259 | | | | 3,259 | | |
| LONE TREE CREEK—Koch Oil Co. | | | 10,692 | | | | | 10,692 | |
| LONG CREEK—Truck | | | 403 | | | 403 | | | |
| MASON LAKE—Continental Pipeline Co | | 360 | | | | 360 | | | |
| MELSTONE—Continental Pipeline Co | | 1,426 | | | | 1,426 | | | |
| MIDDLE WALL[2]—Continental Pipeline Co. | | 10,427 | | | | | 10,427 | | |
| MOSSER—Permian Corp | | | 514 | | | 514 | | | |
| NOHLY—Koch Oil Co. | | | 9,427 | | | | 9,427 | | |
| NORTH FORK—Koch Oil Co. | | | 4,880 | | | | 4,880 | | |
| OTIS CREEK—Western Crude Oil, Inc | | | 10,411 | | | | 10,411 | | |
| OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST—Portal Pipeline Co | | 14,921 | | | | | | 14,921 | |
| PONDERA—Phillips Petr. Co | 34,772 | 22,904 | | | 2,213 | 18,980 | | | 36,483 |
| POPLAR, RED FOX, REDSTONE—East Poplar Gathering System | 15,635 | 47,007 | | | 216 | | | 50,368[3] | 12,058 |
| PUTNAM—Western Crude Oil, Inc | | | 1,012 | | | | 1,012 | | |
| RABBIT HILLS—Koch Oil Co. | | | 4,985 | | | 548 | 4,437 | | |
| RAGGED POINT—Continental Pipeline | | 9,651 | | | | 9,651 | | | |
| RATTLER BUTTE—Truck | | | 1,034 | | | | 1,034 | | |
| RAYMOND—Portal Pipeline Co | | 12,127 | | | | | 12,127 | | |
| RED CREEK—Western Oil Transportation | | 9,119 | | | | | | 9,119 | |
| RESERVE—Portal Pipeline Co | | 1,365 | | | | | 1,365 | | |
| RIPRAP COULEE—Koch Oil Co | | | 2,172 | | | | 2,172 | | |
| ROSEBUD—Continental Pipeline Co | | 3,474 | | | | 3,474 | | | |
| SALT LAKE—Koch Oil Co | | | 1,898 | | | | | 1,898 | |
| SECOND CREEK—Continental Pipeline Co | | | 6,816 | | | | 6,816 | | |
| SHEEPHERDER—Continental Pipeline Co | | 400 | | | | 400 | | | |
| SIOUX PASS—Continental Pipeline Co. | | 59,246 | | | | | | 59,246 | [3] |
| SNYDER—Permian Corp | | | 209 | | | 209 | | | |
| SPRING LAKE—Koch Oil Co | | | 1,797 | | | | | 1,797 | |
| SUMATRA & STENSVAD—Continental Pipeline Co | 841,247 | 172,629 | | 1,967,321 | (130) | 167,950 | | 1,976,422 | 836,955 |
| TULE CREEK, BENRUD, VOLT & OTHERS[4]—<br>Tesoro Petr<br>Permian Corp | 9,907<br> | 50,000<br> | 36,302<br>870 | <br> | <br> | 86,302<br> | <br> | <br>870 | 9,907<br> |
| | 9,907 | 50,000 | 37,172 | | | 86,302 | | 870 | 9,907 |
| VAUX—Truck | | | 1,327 | | | 1,327 | | | |
| WHITLASH & WHITLASH WEST—Phillips Petr | | 11,200 | | | | 11,200 | | | |
| WINNETT JCT.—Truck | | | 3,613 | | | 3,613 | | | |
| WOLF SPRINGS—Permian Corp | | | 816 | | | 816 | | | |
| WEED CREEK—Truck | | | 2,010 | | | 2,010 | | | |
| WILDCAT WELLS—Truck | | | 24,787 | | | 89 | | 24,698 | |
| TOTAL | 1,335,168 | 2,846,831 | 334,121 | 2,996,054 | 5,102 | 1,117,858 | 1,321,456 | 3,781,715 | 1,286,043 |

[1]Cabin Creek, Cupton, Fertile Prairie, Gas City, Monarch, Repeat, Vida, Weldon, Wills Creek South, and Northwestern fields.

[2]Little Wall Creek and Willow Creek North

[3]Transferred to Butte Pipeline Co.

[4]Benrud, Benrud East, Benrud Northeast, Culbertson, Froid, Four Buttes, Tule Creek, Tule Creek East, Richey Southwest and Volt.

## BARRELS OF CRUDE OIL REFINED IN MONTANA
## MONTH OF JANUARY, 1977

| | Big West Oil Co. | Continental Oil Co. | Exxon Co. | Farmer's Union | Phillips Petr. Co. | Tesoro Petr. Co. | Westco Refining Co. | Total |
|---|---|---|---|---|---|---|---|---|
| Big Wall | ..... | 3,935 | ..... | ..... | ..... | ..... | ..... | 3,935 |
| Cat Creek | ..... | 1,500 | ..... | 7,107 | ..... | ..... | ..... | 8,607 |
| Charlie Creek | ..... | ..... | ..... | 1,790 | ..... | ..... | ..... | 1,790 |
| Cut Bank | ..... | ..... | ..... | ..... | 126,922 | ..... | 95,306 | 222,228 |
| Elk Basin | ..... | 36,650 | 26,518 | 26,786 | ..... | ..... | ..... | 89,954 |
| Flat Coulee | ..... | ..... | ..... | ..... | ..... | ..... | 10,667 | 10,667 |
| Fred & George Creek | ..... | ..... | ..... | ..... | 42,644 | ..... | ..... | 42,644 |
| Horse Creek | ..... | ..... | ..... | ..... | 200 | ..... | ..... | 200 |
| Ivanhoe | ..... | 1,868 | ..... | ..... | ..... | ..... | ..... | 1,868 |
| Jim Coulee | ..... | ..... | ..... | 31,232 | ..... | ..... | ..... | 31,232 |
| Keg Coulee | ..... | 5,181 | 806 | 4,200 | ..... | ..... | ..... | 10,187 |
| Kelley | ..... | ..... | 1,414 | ..... | ..... | ..... | ..... | 1,414 |
| Kevin Sunburst | 27,194 | ..... | ..... | ..... | ..... | ..... | ..... | 27,194 |
| Long Creek | ..... | ..... | ..... | ..... | ..... | 400 | ..... | 400 |
| Mason Lake | ..... | 360 | ..... | ..... | ..... | ..... | ..... | 360 |
| Melstone | ..... | ..... | ..... | 1,376 | ..... | ..... | ..... | 1,376 |
| Pondera | ..... | ..... | ..... | ..... | 12,064 | ..... | ..... | 12,064 |
| Ragged Point | ..... | 8,344 | ..... | ..... | ..... | ..... | ..... | 8,344 |
| Rosebud | ..... | 3,474 | ..... | ..... | ..... | ..... | ..... | 3,474 |
| Richey Southwest | ..... | ..... | ..... | ..... | ..... | 2,000 | ..... | 2,000 |
| Snyder | ..... | 209 | ..... | ..... | ..... | ..... | ..... | 209 |
| Sumatra & Stensvad | ..... | 100,030 | 27,120 | 52,314 | ..... | ..... | ..... | 179,464 |
| Tule Creek & Others | ..... | ..... | ..... | ..... | ..... | 60,000 | ..... | 60,000 |
| Vaux | ..... | ..... | ..... | 1,327 | ..... | ..... | ..... | 1,327 |
| Whitlash | ..... | ..... | ..... | ..... | ..... | ..... | 11,200 | 11,200 |
| Willow Ridge | ..... | ..... | ..... | ..... | 215 | ..... | ..... | 215 |
| Winnett Junction | ..... | ..... | ..... | 3,613 | ..... | ..... | ..... | 3,613 |
| Wolf Springs | ..... | ..... | 816 | ..... | ..... | ..... | ..... | 816 |
| TOTAL Montana Oil | 27,194 | 161,551 | 56,674 | 129,745 | 182,045 | 62,400 | 117,173 | 736,782 |
| Canadian Oil Imported | 73,526 | 941,027 | 285,041 | 479,712 | ..... | ..... | ..... | 1,779,306 |
| Wyoming Oil Imported | ..... | 332,714 | 434,606 | 574,626 | ..... | ..... | ..... | 1,341,946 |
| TOTAL Montana, Canadian & Wyoming Oil | 100,720 | 1,435,292 | 776,321 | 1,184,083 | 182,045 | 62,400 | 117,173 | 3,858,034 |

### AVERAGE BARRELS PER DAY

| | Montana | Canada | Wyoming | Total |
|---|---|---|---|---|
| Year, 1976 | 23,272 | 64,192 | 50,029 | 137,493 |
| January, 1976 | 23,042 | 61,430 | 48,960 | 133,432 |
| January, 1977 | 23,767 | 57,397 | 43,289 | 124,453 |

### PERCENTAGE OF CRUDE OIL REFINED

| | Montana | Canada | Wyoming |
|---|---|---|---|
| | 16.93% | 46.69% | 36.38% |
| | 17.27% | 46.04% | 36.69% |
| | 19.10% | 46.12% | 34.78% |